

Brief Description:

These are multi-pass absorption cells to be used in a NASA airborne lidar system for frequency-locking of seed lasers to carbon dioxide and oxygen absorption lines.

SPECS of Multi Pass Absorption Cell:

Minimum required specifications:

Path length: 36 meters minimum

Base path: ≤ 0.2 meters

Length: ≤ 0.3 meters

Width: ≤ 8 centimeters

Input hole diameter: ≥ 4 millimeters

Mass: ≤ 1.25 kilograms

Wavelength range: 0.3 to 3 microns.

Fused-silica windows preferred.

Please quote cells with both fused-silica and BaF₂ windows.

Mirror reflectivity: ≥ 0.992 at 1262 nanometers and 1571 nanometers wavelengths

Leak rate: < 0.1 Torr/hour